

WHAT IS CLAIMED IS:

1. A method of making a blood-tight implantable textile material comprising:
providing an unmodified textile material;
mixing a polysaccharide with water and an alcohol to form a non-colloidal mono-polymeric mixture; and
saturating said textile material with said mixture.
2. A method according to claim 1 wherein said textile material is selected from the group consisting of woven, knitted, braided, velour, and felts.
3. A method according to claim 2 wherein said textile is a porous woven structure.
4. A method according to claim 3 wherein said non-colloidal mixture saturates pores of said porous woven structure.
5. A method according to claim 1 wherein said textile material is an artificial vascular graft.
6. A method according to claim 1 wherein said polysaccharide is an alginate.
7. A method according to claim 6 wherein said alginate is bioresorbable within the body after implantation.
8. A method according to claim 6 wherein said alginate is crosslinked and is non-resorbable.
9. A method according to claim 1 wherein said blood-tight implantable textile material has a porosity of impregnation of less than about 1.0 ml/min/cm².
10. A method according to claim 9 wherein said mixture is saturated within said textile material by massaging said mixture into pores of said unmodified textile material.

11. A blood-tight textile material implantable in a mammal comprising:
an unmodified textile material having a porous structure,
a non-colloidal mono-polymeric mixture saturated within said porous structure of said textile material to make it substantially non-porous, said non-colloidal mixture comprising a polysaccharide, an alcohol, and water.
12. A blood-tight textile material according to claim 11 wherein said polysaccharide is an alginate.
13. A textile material according to claim 11 wherein said blood-tight textile material is a vascular graft.
14. A blood-tight textile material according to claim 11 wherein said textile material is selected from the group consisting of woven, knitted, velour and felts.
15. A blood-tight textile material according to claim 14 wherein said textile is a porous woven structure.
16. A blood-tight textile material according to claim 15 wherein said non-colloidal mixture saturates pores of said porous woven structure.
17. An artificial vascular graft comprising:
a tubular structure comprising an unmodified textile structure impregnated with a non-colloidal mono-polymeric mixture comprising sodium alginate, an alcohol, and water.
18. An artificial vascular graft according to claim 17 wherein said graft further comprises a stent disposed circumferentially interior to said tubular structure.
19. An artificial vascular graft according to claim 17 wherein said textile structure is selected from the group consisting of, woven structure, knitted structure, and braided structures.